Amendment 408
Contract No. 229944

To the Contract for the Design, Implementation, Operation and Maintenance of the Regional Fare Coordination System

This Amendment 408 to the Contract for the Design, Implementation, Operation and Maintenance of the Regional Fare Coordination System is entered into this 5TH day of APRIL, 2018, by and between Vix technology (USA) Inc. (formerly known as ERG Transit Systems (USA) Inc), a California corporation and wholly owned subsidiary of Vix Mobility Pty Ltd, an Australian corporation, (hereinafter referred to as the "Contractor") and each of the following seven public transportation agencies (hereinafter referred to individually as an "Agency" or collectively as the "Agencies"):

1. Central Puget Sound Regional Transit Authority ("Sound Transit")
2. King County ("King County")
3. Kitsap County Public Transportation Benefit Area ("Kitsap Transit")
4. Pierce County Public Transportation Benefit Area ("Pierce Transit")
5. Snohomish County Public Transportation Benefit Area ("Community Transit")
6. City of Everett ("Everett")
7. State of Washington, acting through the Washington State Department of Transportation, Washington State Ferries Division ("WSF")

Recitals

A. Effective April 29, 2003, each of the Agencies and the Contractor entered into Contract #229944 ("Contract") to implement a Regional Fare Coordination System ("RFC System") to establish a common fare system utilizing smart card technology. The Contractor is responsible for the development, implementation, operation and maintenance of the RFC System as specified in the Contract.

B. The Agencies and the Contractor desire to amend Exhibit 9, Price Schedule, Section II Equipment Prices, Section IV, Equipment Installation and/or Commissioning, Section VII, Training, Section VIII Maintenance Service Contract, Section IX Customer Service, Section X Institutional Programs, Section XI Card Procurement and Distribution, Section XII Fare Card Management, Section XIII Clearinghouse Services, Section XIV Financial Management, Section XV Network Management, Section XVI Revalue Network Support Services and Section XVII Project Staff Positions and Hourly Rates. This amendment is per Contract Section 3.I-76.4.2 and will replace each referenced price table with the 2018 prices.

Agreement

NOW, THEREFORE, in consideration of the mutual covenants contained herein, the sufficiency of which is hereby acknowledged, the Parties hereby agree to amend the Contract as follows:

Section 1.0 Description of Changes

1.1 Consistent with Contract Section 3.I-76.4.2, the Contractor and the Agencies agree on the equipment prices effective for 2018. Contract No 229944, Exhibit 9 Section II Equipment Prices is hereby replaced in its entirety with the below tables:

II. EQUIPMENT Prices – Shading indicates the device is EOL and no longer available to purchase

A. FARE TRANSACTION PROCESSOR (FTP) ***EOL NOT AVAILABLE***

A.1 (a) On Board FTP (unit price includes Ethernet Switch for Agency orders for Phase I and Phase II procurement by ERG) (This Unit price for Phase I devices shall also include the 24 MB Memory Expansion Board)	**1,500 or less**	**1,501-3,000**	**Over 3,000**
PRICE PER UNIT	$781.29	$744.44	$736.85
A.1(b) On Board FTP Installed 24 MB Expansion Board Memory	**1,500 or less**	**1,501-3,000**	**Over 3,000**
PRICE PER UNIT	$89.95	$89.95	$89.95
A.2 Stand Alone Pole Mount FTP *EOL NOT AVAILABLE*	**50 or less**	**51-80**	**Over 80**
a. Stand Alone Fare Transaction Processor (Unit price includes device, hood primed and painted with finish coat, power supply, power supply plate, pole and anchor rod and adhesive)	$3,816.46	$3,634.44	$3,598.67
b. SAFTP Base Covers	$420.45	$420.45	$420.45
c. SAFTP Powder Coating of Pole/**Base Cover Mounting Hardware Combination Unit**	$91.03	$91.03	$91.03
d. SAFTP Powder Coating of Wall Mount Box	$87.78	$87.78	$87.78
e. SAFTP Power Supply ***MINIMUM ORDER QUANTITY = 100***	$171.21	$171.21	$171.21
f. SAFTP Wall Mount Gasket	$1.09	$1.09	$1.09
g. SAFTP Pole Mount Gasket	$1.09	$1.09	$1.09
A.2.1 SAFTP Poles *EOL NOT AVAILABLE*	**9 or less**	**10 or more**	**N/A**
a. SAFTP Pole Set (includes pole, power supply plate, anchor rod and anchor adhesive)	$2,530.23	$1,311.17	
A.2.2 SAFTP Hoods *EOL NOT AVAILABLE*	**1 – 99 MOQ of 50**		**100 or more**
a. SAFTP Hood – Primed and ready for paint ***MINIMUM ORDER QUANTITY = 50***	$384.69		$337.00
b. SAFTP Hood – Primed and painted with finish coat	$454.02		$406.36
A.3 Stand Alone Wall Mount FTP *EOL NOT AVAILABLE*	**50 or less**	**51 - 80**	**Over 81**
a. Wall Mount SAFTP (Unit price includes device, hood primed and painted with finish coat, power supply, wall mount box and wall mount box plate)	$3,816.46	$3,634.44	$3,598.67
A.4 SAFTP Master Key	**Per Unit**	**N/A**	**N/A**
a. ST Sounder Rail (XXDU)	$42.25		
b. ST Link Light Rail (QCDN)	$42.25		
c. CT Swift BRT (QCFG)	$42.25		
d. KCM Rapid Ride BFT (QDER)	$42.25		

A.5 Portable FTP *EOL NOT AVAILABLE*	100 or less	101-500	Over 500
a. Portable FTP – Psion	$1,530.06	$1,502.97	$1,480.21
b. PFTP Psion – Pistol Grip	$31.42	$31.42	$30.34
c. PFTP Psion – Scanner 1D Laser High Performance	$688.10	$676.18	$665.34
d. PFTP Psion – Vehicle Mount Charger (12V)	$216.73	$213.49	$210.22
e. PFTP Psion – Holster Soft Shell	$121.36	$119.21	$118.11
f. PFTP Psion – Plastic Extended Endcap Kit	$63.94	$62.85	$61.77
g. PFTP Psion – Pouch Nylon Carry Case	$79.10	$78.02	$76.94
h. PFTP Psion – Docking Station Desktop	$137.62	$135.46	$133.29
i. PFTP Psion – Kit PC Card xMod	$132.20	$130.03	$127.86
j. PFTP Psion – Cable, Promark Power Extension, D6'	$126.78	$124.61	$122.45
k. PFTP Psion – Mount RAM B101	$63.94	$62.85	$61.77
l. PFTP Psion – Radio, RA2041	$238.39	$234.06	$230.81
m. PFTP Psion – Battery High Capacity	$132.20	$130.03	$127.86
n. PFTP Psion – Door for High Capacity Battery	$16.26	$15.17	$15.17
o. Hayes Accura v. 92, model 18328	$87.78	$79.10	$74.76
p. PFTP Psion – Charger Quad Unit	$376.00	$369.51	$364.10
q. PFTP Psion – Power Lead for Quad Unit Charger	$10.83	$10.83	$9.76
r. PFTP Psion – Tether to RS232 Converter (to connect to external model)	$70.44	$70.44	$70.44
s. PFTP Psion – USB to Ethernet Adapter (to connect single cradle to Ethernet)	$70.44	$70.44	$70.44
t. Docking Station 4-Unit for 7527 (WAP-G2)	$789.95	$789.95	$789.95
u. Power Lead for 4-Unit Docking Station for 7527C	$17.33	$17.33	$17.33
v. RS232 Adapter for Desktop Docking Station	$107.28	$107.28	$107.28
w. PFTP Psion – Super High Capacity Battery	$153.87	$153.87	$153.87
x. PFTP Psion – Door for Super High Capacity Battery	$16.26	$16.26	$16.26
	100 or less	**101-200**	**Over 200**
y. PFTP Psion – Card Reader	$347.84	$309.91	$290.41

B. DRIVER DISPLAY UNIT ***EOL NOT AVAILABLE***

DRIVER DISPLAY UNIT (includes Load Dump Module if DDU purchased as part of an Agency's complete suite of on-board equipment for a new vehicle installation)	**1,500 or less**	**1,501 – 3,000**	**Over 3,000**
PRICE PER UNIT	$1,479.13	$1,410.85	$1,396.77

C. WIRELESS DATA ON/OFF LOADING SYSTEM

C.1 Base/Terminal Module	**10 or less**	**11-20**	**Over 20**
PRICE PER UNIT	$4,246.67	$4,044.02	$3,851.15
C.2 On-Board Vehicle Module (Non Ruggedized) (includes antenna and power injector)	**1,500 or less**	**1,501-3,000**	**Over 3,000**
PRICE PER UNIT	$683.77	$651.25	$644.75
C.3 On-Board Vehicle Module (Ruggedized) (includes antenna and power injector)	**1,500 or less**	**1,501-3,000**	**Over 3,000**
PRICE PER UNIT	$1,195.22	$1,181.14	$1,158.38

D.

DATA ACQUISITION COMPUTER (DACs) *EOL NOT AVAILABLE*	**15 or less**	**16-30**	**Over 30**
PRICE PER UNIT	$15,014.48	$14,299.29	$14,156.27
DATA ACQUISITION COMPUTER (DACs) Dell PowerEdge R630 Rack Server	**15 or less**		
PRICE PER UNIT	$14,653.45		

E.

BACK OFFICE CLIENT COMPUTERS	3 or less	4-8	Over 8
PRICE PER UNIT	$66,851.12	$63,667.47	$60,635.53

F. **INTEGRATION w/SOUND TRANSIT TVMs** ***EOL NOT AVAILABLE***

INTEGRATION w/ SOUND TRANSIT TVMs	30 or less	31-50	Over 50
a. TVM Kit	$2,702.53	$2,573.58	$2,548.64
INTEGRATION w/SOUND TRANSIT TVMS	**15 or less**	**16-30**	**Over 30**
b. TVM Second Fare Card Reader/Writer (Second Internal)	$714.14	$680.52	$648.00

G. **CUSTOMER SERVICE TERMINAL**

G.1 Full Function CST (modules a through f)	15 or less	16-30	Over 30
PRICE PER UNIT	$10,139.33	$9,656.05	$9,196.59
G.2 Modularized CST	**15 or less**	**16-30**	**Over 30**
a. CPU and software, data communications & secure access module – unit price includes the Keyboard	$4,726.70	$4,502.39	$4,287.84
b. PIN pad – unit prices includes the Customer Display and Magnetic Card Reader	$1,030.51	$981.75	$934.07
c. Agent Display	$1,146.47	$1,091.20	$1,039.18
d. Fare card reader/writer ***EOL NOT AVAILABLE***	$715.19	$680.52	$648.00
e. Printer - receipt – includes (i) or (ii) below			
(i) Printer - receipt	$1,833.47	$1,745.70	$1,663.35
(ii) Printer – receipt with Check Endorser/Reader – Epson TM-H6000II	$1,759.77	$1,759.77	$1,759.77
f. Cash drawer	$688.10	$654.50	$624,17

G.3 ADDITIONAL CST PERIPHERALS	Per Unit		
a. Card Printer (includes "Fare card read/writer")	$9,029.72		
b. Cleaning Roller Assembly SP-X2088 (XID9330 Printer Part)	$505.06		
c. Pickup Roller Hopper SP-X2173 (XID9330 Printer Part)	$192.98		
d. Fan Filter Kit SP-X5040 (XID9330 Printer Part)	$43.80		
e. Photo ID Equipment – Camera and power supply	$522.29		
f. Kytronics Card Dispenser	$1,177.89		
g. Cherry G81-POS Keyboard	$213.49		
h. Agent Display (Touch Screen Monitor, MicroTouch M-170 LCD)	$979.58		
i. Agent Display (Touch Screen Monitor, ELO 1725L 17" LCD Desktop Touch Monitor (3000 Series) with AccuTouch) ***DELETE – DUPLICATE TO G.3***	$875.57		
j. Agent Display (Monitor, Dell E2014H 20" LCD)	$159.09		
k. Agent Display (Monitor, Model 1919L AccuTouch 19" LCD)	$885.43		
l. Printer – Receipt with Check Endorser/Reader Epson TH-H6000IV	$1,320.91		
m. PIN Pad – Verifone 1000SE ***NOT EMV COMPLIANT***	$118.11		
n. MiniMag Magnetic Card Reader	$82.35		
o. Window Mounted Fare Card Reader/Writer ***EOL NOT AVAILABLE***	$715.19		
p. Window Mounted Fare Card Reader/Writer Plastic Casing – Window Mount – 'ORCA blue' ***EOL NOT AVAILABLE***	$26.01		
q. Card Printer – Mattica XID8300	$6,776.88		

G.4 Wireless Portable CST	15 or less	16 - 30	31 or more
a. Wireless Portable CST (unit price includes WPCST Component items G.5 a through f)	$10,471.99	$10,437.32	$10,405.02
G.5 Wireless Portable CST Components	**15 or less**	**16 - 30**	**31 or more**
OPTIONAL PURCAHSE COMPONENTS			
a. Printer – receipt with Check Endorser/Reader Epson TM-H6000IV	$1,090.11	$1,090.11	$1,090.11
b. Photo ID Equipment – Camera & Power Supply Microsoft LifeCam Studio (Q2F-00001); ID Works	$1,579.90	$1,579.90	$1,579.90
c. Card Printer	$1,628.67	$1,628.67	$1,628.67
d. Printer Power Supply	$37.93	$37.93	$37.93
CONTRACTOR-SUPPLIED COMPONENTS			
e. Fare card reader/writer ***EOL NOT AVAILABLE***	$715.19	$680.52	$648.00
f. Laptop compatible Secure Access Module (SAM)	$37.93	$37.93	$37.93

Note: Per Amendment 218 (12/10/12)

1. **Section H.1 Additional CST Peripherals has been deleted, as it was superseded by Section H.2 Additional CST Peripherals.**
2. **Section H.2 Additional CST Peripherals has been re-numbered as Section G.3 Additional CST Peripherals. The purpose of this change is to include all CST equipment in one section "G".**

I. WSF GATE ADAPTION KIT *EOL NOT AVAILABLE*

1.1 WSF Gate Adaption Kits (GAK)	125 or less	N/A	N/A
PRICE PER UNIT	$1,645.99		
1.2 GAK Desktop Reader	**15 or less**	**16 - 30**	**31+**
PRICE PER UNIT	$715.19	$680.52	$648.00

J. SNMP COLLECTION SERVER AND SOFTWARE

J. Expired September 4, 2005

K. Optional On-Board Bus Installation Parts and Materials With the exception of item K.1.a, all remaining Section K items are no longer available from the Contract. Agencies to purchase on their own.

Part	Vix Total Price		
K.1 Serialized Devices			
a. Ethernet Switch	$391,27		
b. Load Dump Module (LDM)	$37.50		
K.2 Brackets/Clamps/Stanchions			
a. DDU Cradles (for DC5000)	$176.42		
b. OBFTP Bracket (for CP5500)	$256.10		
c. Ethernet Switch Mounting Bracket	$28.46		
d. Tee Fitting w/(2) Extra Holes Grey Nylon Coated	$17.92		
e. OBFTP 2 hole drilled cup	$11.22		
f. Offset Clamp	$32.69		
g.TL 250 4 hole Stainless Steel cup with hole and through bolt	$13.17		
h. OBFTP 90 Degree Bend Stanchion	$33.00		
i.OBFTP 40 Degree Bend Stanchion	$23.48		
j.OBFTP 12 Degree Bend Stanchion	$23.48		
k. OBFTP 5 Degree Bend Stachion	$23.48		

l. Bentech 7" Straight Stanchion	$8.82		
m. Bentech 11" Straight Stanchion	$8.82		
n. WDOLS Z Clamp	$9.60		
o. Bentech Stanchion Plug Plastic	$1.55		
K.3 Cabling			
a. Ethernet Cable - Commscope 2004 (1000')	$472.44		
b. Belden Power Cable - 3 Core AWG18 (1000')	$671.20		
c. Belden Power Cable - 2 Core (1000')	$484.46		
K.4 Circuit Breakers			
a. ETA Circuit Breaker 4 amp (Power)	$28.85		
b. ETA Circuit Breaker 1 amp (Ignition)	$28.85		
c. ETA Circuit Breaker mounting block	$9.01		
K.5 Electrical Connectors			
a. AMP pins 24 AWG (Ethernet) (1000)	$624.30		
b. AMP pins 18 AWG (Power) (1000)	$656.61		
c. RJ-45 Connector (Ethernet) (1000)	$443.79		
d. RJ-45 Strain Relief (Ethernet)(1000)	$395.06		

e. Ring Crimp Terminal Red 18 AWG #8 (1000)	$182.72		
f. Ring Crimp Terminal Red 18 AWG #10 (Ethernet Drain wires) (1000)	$182.72		
g. 760K Switchcraft - Cisco 1310 Power Injector Connector	$4.72		
K.6 Installation Accessories			
a. DDU Adaptaflex fitting	$1.94		
b. DDU Adaptaflex conduit(100')	$89.71		
c. Cable Ties(1000)	$59.71		
d. Metallic Inc 1" P-Clamp(10)	$21.95		
e. 1/8" heat shrink (Ethernet Drain wires)(3')	$1.23		
f. 1/4" heat shrink (power wires)(3')	$1.86		
g. 3/8" heat shrink (Ethernet wires)(3')	$2.08		
h. Grommet Edging Adhesive (100')	$61.46		
i. Split loom 1/2 inch (100')	$41.15		
j. Split loom 1 inch (100')	$100.77		
K.7 Antennas (Agency to specify if terminated or unterminated but no price differential)			
a. RM3-2400 antenna 6ft coax R/P TNC RG-58	$60.33		
b. RM3-2400 antenna 11ft coax R/P TNC RG-58	$63.89		
c. RM3-2400 antenna 15ft coax R/P TNC RG-58	$66.74		
d. RM3-2400 antenna 18ft coax R/P TNC RG-58	$68.86		
e. RM3-2400 antenna 30ft coax R/P TNC RF-195	$105.14		
f. RM3-2400 antenna 40ft coax R/P TNC RF-195	$115.81		

K.8 Weatherproof Connector Assembly			
a. 3 Contact Tower Half Packard Weatherpack Plug	$1.10		
b. Package Cable Seal-Green #12015323	$0.12		
c. Female Terminal for Tower Half 20-18GA	$0.22		
d. Male Terminal for Tower Half 20-18GA	$0.22		
K.9 Fasteners/Hardware			
a. M5x20 screws (DDU bracket)(100)	$8.20		
b. M5 nyloc nuts (DDU bracket)(100)	$5.45		
c. M5 washers (DDU bracket)(100)	$2.47		
d. WDOLS M6 X 10mm Bolt to mount WDOLS to plate or power injector (100)	$5.80		
e. M6 Flat Washer (100)	$2.63		
f. 10/32 x 1/2" Machine Screw (100)	$6.00		
g. 10/32 nyloc nut(100)	$3.69		
h. #10 washer(435)	$6.59		
i. 10/32 x 1 3/4" Machine Screw (LDM)(100)	$13.43		
j. #12 x 1 3/4 Stainless Steel Wood Screw (LDM)(50)	$14.41		
k. 1/4"-20 x 1 1/2" Hex Head Cap screws (100)	$13.10		
l. 1/4"-20 nyloc nuts (100)	$5.72		
m. 1/4" fender washers (100)	$5.95		
n. #8 Flat washer (555)	$7.18		
o. #10 x 1/2 Self Drilling Sheet Metal Screw (100)	$8.86		
p. #8 x 1/2" Self Drilling Screw (100)	$6.33		
q. 8/32 x ¾ - KCM Grounding Stud (100)	$5.20		
r. 8/32 Nyloc Nut (100)	$3.12		

K.10 Labels			
a. DDU Ethernet (sheet of 49)	$8.00		
b. DDU Power (sheet of 49)	$8.00		
c. ETH Switch Power (sheet of 49)	$8.00		
d. OBFTP Ethernet (sheet of 49)	$8.00		
e. OBFTP Power (sheet of 49)	$8.00		
f. Smartcard Power (sheet of 49)	$8.00		
g. WDOLS Power (sheet of 49)	$8.00		
h. WSOLS Ethernet (sheet of 49)	$8.00		
i. WDOLS Antenna (sheet of 49)	$8.00		
K.11 Specialized OBE Commissioning Materials			
a. cable to connect laptop to OBFTP	$128.06		
b. spare active cradle chip	$13.73		

1.2 Contract No. 229944, Exhibit 9 Section IV Equipment Installation and/or Commissioning, is hereby replaced in its entirety with the below tables:

IV. EQUIPMENT INSTALLATION AND/OR COMMISSIONING

A.

	Range of Quantities		
ON BOARD FTP	**1,500 or less**	**1,501-3,000**	**Over 3,000**
Commissioning Cost per Unit (Cost includes the Driver Display Unit, Ethernet Switch, Wireless data on/off Loading devices, and the necessary installation equipment and materials as reasonably agreed between Parties.)	$88.18 (less a credit of $7.87 if DDU fixed mount not provided)	$83.98 (less a credit of $7.87 if DDU fixed mount not provided)	$83.98 (less a credit of $7.87 if DDU fixed mount not provided)

B.

STAND ALONE FTP	**50 or less**	**51-80**	**Over 80**
Installation and/or Commissioning Cost Per Unit – Contractor Installed Mounting Hardware	$716.98	$683.38	$676.03
Commissioning Cost Per Unit - Agency Installed Mounting Hardware	$437.74	$437.74	$437.74

C.

PORTABLE FTP	**100 or less**	**101-500**	**Over 500**
Commissioning Cost Per Unit	$144.86	$142.77	$141.72

D.

DATA ACQUISITION COMPUTER (DACs)	**15 or less**	**16-30**	**Over 30**
Installation and/or Commissioning Cost Per Unit	$1,273.35	$1,212.46	$1,200.91

E.

BACK OFFICE CLIENT COMPUTER	**3 or less**	**4-8**	**Over 8**
Installation and/or Commissioning Cost per Unit	$1,158.92	$1,121.69	$1,050.80

F.

TVM INTEGRATION KIT	**30 or less**	**31-50**	**Over 50**
Commissioning Cost Per Unit	$166.91	$166.91	$166.91

G.

CUSTOMER SERVICE TERMINAL (CST)	**15 or less**	**16-30**	**Over 30**
Installation and/or Commissioning Cost Per Unit	$1,630.26	$1,552.58	$1,478.05

H.

WIRELESS PORTABLE CUSTOMER SERVICE TERMINAL (CST)	**15 or less**
Installation and/or Commissioning Cost Per Unit	$2,726.60

I.

SNMP COLLECTION SERVER AND SOFTWARE	**3 or less (price/unit)**
i. SNMP COLLECTION SERVER HARDWARE INSTALLATION COST PER UNIT	$1,158.92
ii. HP OPENVIEW LICENSE (SOFTWARE) INSTALLATION AND SERVER CONFIGURATION COST PER UNIT/LICENSE	$10,335.83

1.3 Contract No. 229944, Exhibit 9 Section VII Training, is hereby replaced in its entirety with the below tables:

VII. TRAINING

TRAINING COURSES – DEVELOPMENT COSTS

	COST TO DEVELOP TRAINING COURSE
1. RFCS OVERVIEW	$9,237.80
2. SYSTEM OPERATIONS	$8,083.07
3. REPAIR & MAINTENANCE	$75,057.10
4. DATA MANAGEMENT	$5,773.63
5. CUSTOMER SERVICE & MARKETING	$17,320.87
6. TRAIN-THE-TRAINER (Operations/Maintenance)	$69,283.48
7. TRAIN-THE-TRAINER (Retail Outlets)	$69,283.48
TOTAL:	$254,039.41

TRAINING COURSES – COST TO CONDUCT

	NUMBER OF COURSES TO BE CONDUCTED	COST EACH TIME A COURSE IS CONDUCTED
1. RFCS OVERVIEW	10-30	$2,886.81
2. SYSTEM OPERATIONS	10-30	$2,886.81
3. REPAIR & MAINTENANCE	10-30	$5,773.63
4. DATA MANAGEMENT	10-30	$2,886.81
5. CUSTOMER SERVICE & MARKETING	10-30	$5,773.63
6. TRAIN-THE-TRAINER (Operations/Maintenance)	10-30	$7,217.03
7. TRAIN-THE-TRAINER (Retail Outlets)	10-30	$7,217.03

1.4 Contract No. 229944, Exhibit 9 Section VIII Maintenance Service Contract, is hereby replaced in its entirety with the below tables:

VIII. MAINTENANCE SERVICE CONTRACT

DEPOT MAINTENANCE

Cost per event, per unit

Range of Quantities

A. FARE TRANSACTION PROCESSOR (FTP)

A.1 On Board FTP	**1,500 or less**	**1,501-3,000**	**Over 3,000**
COST PER EVENT, PER UNIT	$124.66	$121.61	$119.19
A.2 Stand Alone FTP	**50 or less**	**51-80**	**Over 80**
COST PER EVENT, PER UNIT	$504.84	$492.52	$482.67
A.3 Portable FTP	**100 or less**	**101-500**	**Over 500**
COST PER EVENT, PER UNIT	$371.82	$364.39	$357.11

B.

DRIVER DISPLAY UNIT	**1,500 or less**	**1,501-3,000**	**Over 3,000**
COST PER EVENT, PER UNIT	$148.73	$145.07	$142.18

C. WIRELESS DATA ON/OFF LOADING SYSTEM

C.1 Base/Terminal Module	**10 or less**	**11-20**	**Over 20**
COST PER EVENT, PER UNIT	$366.38	$357.43	$348.72
C.2 On-Board Vehicle Module	**1,500 or less**	**1,501-3,000**	**Over 3,000**
COST PER EVENT, PER UNIT	$123.79	$120.79	$118.37
C.3 Ethernet Switch	**1,500 or less**	**1,501-3,000**	**Over 3,000**
COST PER EVENT, PER UNIT	$152.22	$152.22	$152.22

D.

TVM INTEGRATION KIT	**30 or less**	**31-50**	**Over 50**
COST PER EVENT, PER UNIT	$195.53	$190.77	$186.93

ON-SITE MAINTENANCE

Monthly Cost per Unit

Range of Quantities

E.

DATA ACQUISITION COMPUTER (DAC)	**15 or less**	**16-30**	**Over 30**
MONTHLY COST PER UNIT	$49.74	$47.39	$46.90

F.

BACK OFFICE CLIENT COMPUTER	**3 or less**	**4-8**	**Over 8**
MONTHLY COST PER UNIT	$153.01	$145.74	$138.79

G.

CUSTOMER SERVICE TERMINAL (CST)	**15 or less**	**16-30**	**Over 30**
MONTHLY COST PER UNIT	$60.48	$57.61	$54.87

H.

PHOTO I.D. SYSTEM	**4 or less**	**5-10**	**Over 10**
MONTHLY COST PER UNIT	$128.34	$122.24	$116.40

I.

WSF GATE ADAPTION KIT (GAK)	**4 or less**	**5-10**	**Over 10**
COST PER EVENT, PER UNIT	$504.84	$480.80	$457.92

J.

WIRELESS PORTABLE CUSTOMER SERVICE TERMINAL (WPCST)	**Over 10**
COST PER EVENT, PER UNIT	$453.90

K.

SNMP COLLECTION SERVER	**3 or less (price/unit)**
i. SNMP COLLECTION SERVER MONTHLY COST PER UNIT	$415.71

TECHNICAL SUPPORT SERVICES

Monthly Cost per Unit

Range of Quantities

A. FARE TRANSACTION PROCESSOR (FTP)

A.1 On Board FTP	1,500 or less	1,501-3,000	Over 3,000
MONTHLY COST PER UNIT	$0.62	$0.60	$0.59
A.2 Stand Alone FTP	**50 or less**	**51-80**	**Over 80**
MONTHLY COST PER UNIT	$3.27	$3.12	$3.09
A.3 Portable FTP	**100 or less**	**101-500**	**Over 500**
MONTHLY COST PER UNIT	$1.97	$1.95	$1.93

B.

DRIVER DISPLAY UNIT	1,500 or less	1,501-3,000	Over 3,000
MONTHLY COST PER UNIT	$1.20	$1.13	$1.12

C. WIRELESS DATA ON/OFF LOADING SYSTEM

C.1 Base/Terminal Module if supplied by Contractor	10 or less	11-20	Over 20
MONTHLY COST PER UNIT	$2.90	$2.75	$2.63
C.2 On-Board Vehicle Module	**1,500 or less**	**1,501-3,000**	**Over 3,000**
MONTHLY COST PER UNIT	$0.72	$0.67	$0.67

D.

TVM INTEGRATION KIT	30 or less	31-50	Over 50
MONTHLY COST PER UNIT	$1.22	$1.15	$1.14

E.

DATA ACQUISITION COMPUTER (DAC)	15 or less	16-30	Over 30
MONTHLY COST PER UNIT	$5.94	$5.66	$5.60

F.

BACK OFFICE CLIENT COMPUTER	3 or less	4-8	Over 8
MONTHLY COST PER UNIT	$18.26	$17.39	$16.57

G.

CUSTOMER SERVICE TERMINAL (CST)	15 or less	16-30	Over 30
MONTHLY COST PER UNIT	$7.23	$6.88	$6.56

H.

WIRELESS PORTABLE CUSTOMER SERVICE TERMINAL (WPCST)	15 or less
COST PER EVENT, PER UNIT	$28.34

I.

PHOTO I.D. SYSTEM	4 or less	5-10	Over 10
MONTHLY COST PER UNIT	$15.31	$14.59	$13.89

J.

WSF GATE ADAPTION KIT (GAK)	4 or less	5-10	Over 10
MONTHLY COST PER UNIT	$3.27	$3.12	$3.09

K.

SNMP COLLECTION SERVER AND SOFTWARE	3 or less (price/unit)
i. SNMP COLLECTION SERVER AND SOFTWARE MONTHLY COST PER UNIT/LICENSE	$18.26

SOFTWARE MAINTENANCE SERVICES

Fixed Monthly Fee:

$31,885

1.5 Contract No. 229944, Exhibit 9 Section IX Customer Service, is hereby replaced in its entirety with the below tables:

IX. CUSTOMER SERVICE

The Rate per Call Fee is a variable rate for the volume of calls exceeding 500 per month. This cost only includes variable costs that are incurred beyond the Fixed Monthly Fee for increased call volumes over **500** per month.

FIXED MONTHLY FEE

YEAR 1	YEAR 2	YEAR 3	YEAR 4	YEAR 5	YEAR 6	YEAR 7
$19,439	$19,925	$20,423	$20,484.27	$20,566.21	$20,977.53	$21,439.04

RATE PER CALL FEE

Monthly Quantities	YEAR 1	YEAR 2	YEAR 3	YEAR 4	YEAR 5	YEAR 6	YEAR 7
Call Volumes							
501 – 1,000	$3.80	$3.90	$4.00	$4.01	$4.03	$4.11	$4.20
1,001 – 1,500	$3.62	$3.71	$3.81	$3.82	$3.84	$3.92	$4.01
2,001 – 2,500	$3.45	$3.54	$3.63	$3.64	$3.65	$3.72	$3.80
2,501 – 3,000	$3.31	$3.40	$3.48	$3.49	$3.50	$3.57	$3.65
Over 3,000	$3.18	$3.26	$3.34	$3.35	$3.36	$3.43	$3.51

1.6 Contract No. 229944, Exhibit 9 Section X Institutional Programs, is hereby replaced in its entirety with the below tables:

X. INSTITUTIONAL PROGRAMS

FIXED MONTHLY FEE

YEAR 1	YEAR 2	YEAR 3	YEAR 4	YEAR 5	YEAR 6	YEAR 7
$13,778	$14,122	$14,475	$14,518.43	$14,576.50	$14,868.03	$15,195.13

1.7 Contract No. 229944, Exhibit 9 Section XI Card Procurement and Distribution, is hereby replaced in its entirety with the below tables:

XI. CARD PROCUREMENT & DISTRIBUTION

The Rate per Card Shipment Fee is a variable rate for the number of card shipments issued each month. This cost only includes variable costs that are incurred in addition to the Fixed Monthly Fee.

The Rate per Card Shipment Fee is a variable rate for the number of card shipments issued each month. This cost only includes variable costs that are incurred in addition to the Fixed Monthly Fee.

FIXED MONTHLY FEE

YEAR 7 2018
$12,315.67

RATE PER CARD SHIPMENT FEE

Monthly Quantities	YEAR 7 2018
# of Card Shipments	
Less than 5	$44.49
6 - 10	$43.60
11 - 20	$42.72
Over 20	$41.86

1.8 Contract No. 229944, Exhibit 9 Section XII Fare Card Management, is hereby replaced in its entirety with the below tables:

XII. FARE CARD MANAGEMENT

FIXED MONTHLY FEE

YEAR 7 2018
$6,975.59

1.9 Contract No. 229944, Exhibit 9 Section XIII Clearinghouse Services, is hereby replaced in its entirety with the below table:

XIII. CLEARINGHOUSE SERVICES

The Transaction Fee is a variable rate for the number of transactions performed each month. This fee only includes the variable costs that are incurred in addition to the Fixed Monthly Fee.

There are two types of transaction fees, 1) General, and 2) 3rd Party Revalue. The "General Transactions" consists of E-Purse, Pass and Multi-Ride Payment and Revalue transactions and the fee shall be determined according to the total number of transactions generated by the Agencies' transit application (which may include transactions generated by non-Agency card acceptors) processed in a month and shall be applied to each such transaction. The "3rd Party Revalue Transaction Fees" shall be those revalue transactions performed only through 3rd party retailers.

The transaction quantities listed below are for all transactions generated by the Agencies' transit application, which may include transactions generated by non-Agency card acceptors.

FIXED MONTHLY FEE

YEAR 7 2018
$58,208.62

1.10 Contract No. 229944, Exhibit 9 Section XIV Financial Management, is hereby replaced in its entirety with the below table:

XIV. FINANCIAL MANAGEMENT

FIXED MONTHLY FEE

YEAR 7 2018
$12,745.00

1.11 Contract No. 229944, Exhibit 9 Section XV Network Management, is hereby replaced in its entirety with the below tables:

XV. NETWORK MANAGEMENT

FIXED MONTHLY FEE

YEAR 7 2018
$14,985.18

1.12 Contract No. 229944, Exhibit 9 Section XVI Revalue Network Support Services, is hereby replaced in its entirety with the below tables:

XVI. REVALUE NETWORK SUPPORT SERVICES

The Rate per Retail Site Fee is a variable rate for the number of sites maintained and managed each month. This cost only includes variable costs that are incurred in addition to the Fixed Monthly Fee.

FIXED MONTHLY FEE

YEAR 7 2018
$11,641.72

RATE PER RETAIL SITE FEE

Monthly Quantities	YEAR 7 2018
# of Retail Sites	
Less than 50	$11.03
51 – 100	$9.93
101 - 200	$8.93
201 - 300	$8.03
Over 300	$7.24

1.13 Contract No. 229944, Exhibit 9 Section XVII Project Staff Positions and Hourly Rates, is hereby replaced in its entirety with the below table:

XVII. PROJECT STAFF POSITIONS AND HOURLY RATES

Work undertaken by the following positions may be the subject of compensation on an hourly basis as provided under: Section 3.I-31.3(b) (Change Request in excess of the allowance); Section 3.I-31.4.2 (Directive Change Orders); 3.I-31.5.2 and 3.I-31.5.3 (Agreed Change Orders); Section 3.I-53 (Pre-acceptance Deficiencies in Equipment Provided Before Full System Acceptance); Section 3.I-58.3 (Warranty Maintenance); Exhibit 14, Section 4.2 (Post Warranty Depot Maintenance); and Exhibit 15, Section 6.2 (Post Warranty On-site Maintenance). No compensation will be paid for any hours expended by persons in positions not listed in the Table in this section. To the extent the Contractor is entitled to such hours-based compensation, the hourly rates listed in the Table in this section shall apply. These rates are "fully loaded" and include but are not limited to all direct and indirect compensation, benefits, overhead and profit. No overhead or other markup shall be applied in calculating amounts due the Contractor other than the ten percent (10%) mark-up expressly allowed for project management, contract administration, accounting, scheduling, and other administrative activities under Section 3.I-31.4.2 (Directive Change Order), Section 3.I-31.5.2 (Agreed Change Order for Step Two analysis) and Section 3.I-31.5.3 (Agreed Change Order). The Contractor shall not be entitled to any other form of compensation for hours expended by any person in any position on project management, contract administration, accounting, scheduling, and other administrative activities, including but not limited to any hours expended by the Contractor's Operations Manager, Contract Manager, Project Accountant, Project Scheduler, and Purchasing Clerk/Administrative Assistant.

Positions

PROJECT STAFF POSITIONS AND HOURLY RATES		Effective Jan. 1, 2018
Test Manager	per hour	$122.43
Chief Architect		$142.27
Hardware Manager		$110.29
Userware Manager		$89.33
Technical Writer		$89.33
Installation Manager		$122.43
Quality Manager		$92.63
Trainer		$89.33
Field Service Manager		$141.17
Field Service Technician		$101.47
Product Manufacturing – HW Manager		$120.22
Product Development Lead		$103.68
ERG System Design Manager		$142.27
Engineering Manager		$131.25
Senior Programmer		$101.47
Junior Programmer		$82.73
Technical Engineer		$101.47
Business Analyst		$100.37
All Maintenance Classifications		$66.17

Section 2.0 Other Terms and Conditions

All other provisions of the Contract not referenced in this Amendment Four hundred and eight shall remain in effect.

IN WITNESS WHEREOF, authorized representative of the Agencies and the Contractor have signed their names in the spaces provided below.

Vix Technology (USA) Inc.

By: _____
Its: Regional CTO

Date: 4-2-18

The Agencies

By: _____
Their: ORCA operations manager
On behalf of the Agencies
Date: 4/5/2018